

IN THE UNITED STATES RECEIVING OFFICE

Applicant : Kimihiro Mabuchi et al.

Serial No. : 10/559,544

Filed : December 2, 2005

Title : POLYSULFONE-BASED HOLLOW-FIBER MEMBRANE WITH SELECTIVE PERMEABILITY

**MAIL STOP PCT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

In response to the Notification of Missing Requirements mailed February 26, 2006 (copy enclosed), Applicant as a large entity submits herewith the following:

An English translation of the application which was filed with the U.S. National Phase application on December 2, 2005. A copy is enclosed.

It is understood that this perfects the application and no additional papers or filing fees are required. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 3/29/06

Samuel Borodach  
Samuel Borodach  
Reg. No. 38,388

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Citigroup Center  
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30275131.doc

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. ET931348206US

March 29, 2006

Date of Deposit



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
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 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/559,544	Kimihiro Mabuchi	19461-002US1 54027
INTERNATIONAL APPLICATION NO.		
PCT/JP04/07990		
I.A. FILING DATE	PRIORITY DATE	
06/02/2004	11/26/2003	
<b>CONFIRMATION NO. 9149</b>		
<b>371 FORMALITIES LETTER</b>		
 *OC000000018142971*		

Date Mailed: 02/28/2006

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 12/02/2005
- Copy of the International Search Report filed on 12/02/2005
- Preliminary Amendments filed on 12/02/2005
- Information Disclosure Statements filed on 12/02/2005
- Oath or Declaration filed on 12/02/2005
- Request for Immediate Examination filed on 12/02/2005
- U.S. Basic National Fees filed on 12/02/2005
- Assignment filed on 12/02/2005
- Priority Documents filed on 12/02/2005

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.
- Processing fee of \$.00 for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$.00** for a Large Entity:

- **\$.00** for English translation surcharge required.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

PATRICIA A BOOKER

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Telephone: (703) 308-9140 EXT 204

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/559,544	PCT/JP04/07990	19461-002US1 54027

FORM PCT/DO/EO/905 (371 Formalities Notice)

Attorney's Docket No. 19461-002US1	Express Mail Label No. ET679044523US	Mailing Date December 2, 2005	<b>For PTO Use Only</b> <i>Do Not Mark in This Area</i>
Application No.	Filing Date December 2, 2005	Attorney/Secretary Init SXB/gzm	
Title of the Invention <b>POLYSULFONE-BASED HOLLOW-FIBER MEMBRANE WITH SELECTIVE PERMEABILITY</b>			
Applicant <b>Kimihiro Mabuchi et al.</b>			
Client Reference No. 542027			
Enclosures <ul style="list-style-type: none"> <li>· Transmittal Letter (3 pages in duplicate)</li> <li>· English Translation of Intl Patent Application (69 pages of specification, 2 pages of claims, 9 total claims, 1 page of abstract)</li> <li>· Assignment (3 pages); Recordation form cover sheet</li> <li>· Check in the amount of \$940.00</li> <li>· Combined Declaration and Power of Attorney (4 pages)</li> <li>· Preliminary Amendment (5 pages)</li> <li>· IDS (1 page); Form PTO-1449 (1 page)</li> <li>· Documents listed on the Form PTO-1449 (16 documents (13 vols. excl.)</li> <li>· ISR (2 pgs); Appl cover sheet; PCT/IB/301 &amp; 304; Front cover of WO 2005/051460</li> </ul>			

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NUMBER 19461-002US1 542027</b>
INTERNATIONAL APPLICATION NO. PCT/JP2004/007990	INTERNATIONAL FILING DATE 2 June 2004	U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)
<b>TITLE OF INVENTION</b> Polysulfone-Based Hollow-Fiber Membrane With Selective Permeability		
<b>APPLICANT(S) FOR DO/EO/US</b> Kimihiro Mabuchi, Noriyuki Tamamura, Hidehiko Sakurai, Noriaki Kato, Hiroshi Shibano and Katsuhiro Nose		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> </ol>		
<b>CERTIFICATE OF MAILING BY EXPRESS MAIL</b> Express Mail Label No. ET679044523US Date of Deposit: December 2, 2005		

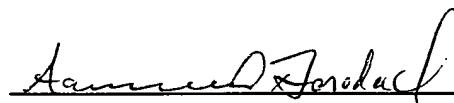
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- a.  A check in the amount of \$940.00 to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 C.F.R. 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the International Application to pending status.**

SEND ALL CORRESPONDENCE TO:

PTO Customer No: 26211



SIGNATURE

Samuel Borodach

NAME

38,388

REGISTRATION NUMBER